

Rev. W. Walter Watts contributed the following

Additional Notes on the Mosses of New South Wales.

Having received a further report from Dr. V. F. Brotherus upon specimens of Mosses sent to him at intervals, I beg to communicate, for purposes of record, a few notes upon the returns.

(i). My Richmond River collections have yielded the following results :—

1. Seven new species, including a genus new for New South Wales, which will be recorded when described, and a new form (*f. flagellaris*, Broth.) of *Acanthocladium extenuatum*, Brid.

2. Three species and one form new for New South Wales, viz.:

Archidium brisbanicum, C. Muell.

Bryum immarginatum, Broth.

Physcomitrium brisbanicum, C. Muell.

} Previous record
} Queensland.

Bryum erythropyxis, C.M. *f. minor*.—Previous record unknown to me.

3. Eight species and one variety new for the Richmond River, viz.:

Bryum abruptinervium, C. Muell.—Previously recorded from Mosman's Bay by Mr. Whitelegge.

Bryum argenteum, var. *niveum*.—Previously found at Tamworth by Mr. C. T. Musson; also in Tasmania by Mr. Weymouth.

Bryum crenatidens, C. Muell.—Previously found at Cambewarra by Mr. Whitelegge.

Bryum erythropyxis, C. Muell.—Previously recorded from Hume River by Miss Campbell; from Cambewarra by Mr. Whitelegge; and from Appin and National Park by Mr. Forsyth; also found at Tamworth last year by Mr. D. A. Porter.

Bryum pyrothecium, Hpe., C.M.—Previously recorded from Cambewarra by Messrs. Whitelegge and Thorpe; and from King's Tableland, National Park and the Nepean River by Mr. W. Forsyth.



Leucobryum candidum, Brid.—Previously found at Braidwood by Mr. W. Bäuerlen; and at Lilyvale by Mr. Whitelegge. Well known in New Zealand and Tasmania.

Anomodon brevinervis, Broth.—Previously found at Camberwarra by Mr. Whitelegge; and in Queensland by Mr. Wild.

Porotrichum gracillimum (Hampe), Broth.—Previously found at Gosford by Mr. Whitelegge.

Rhizogonium Geheebii, C. Muell.—Previously collected at Gosford by Mr. Whitelegge; and “near Sydney” by Mrs. Kayser.

(ii.) A collection made at Emu Plains and on the banks of the Nepean gave the following results:—

1. Two new species.

2. Fifteen species, and two forms, either new for N.S.W., or new for the Nepean district.

Acaulon Sullivani, C.M.

Entosthodon Smithhurstii, Broth., Geh.

Bartramia strictifolia, Tayl.—This species, new for N.S.W., has also been collected at the Warrumbungle Ranges by Mr. Forsyth.

Ephemerum cristatum, C. Muell.

Fissidens ligulatus, H.f.W.

Fissidens Woollsianus, C.M.

Grimmia apocarpa (L), Hedw.: f. foliis brevissime piliferis vel submuticis.

Fissidens Dietrichiae, C.M.: f. minor.

Hypnum rutabulum.

Stereodon cupressiformis (L).

Tortula atrovirens, (Sm.)

„ *chlorotricha*, Broth., Geh.

Leptodontium papillatum (H.f.W.).

Orthodontium lineare, Tayl.

Pleuridium brachycaulon (C.M.).

Pleuridium viride (C.M.)

Porotrichum gracillimum (Hpe.), Broth.

(iii.) Specimens collected at Mosman's Bay, Waverley and Burwood, yielded the following results:—

1. One new species found on a fruit tree in the Hon. E. Vickery's garden, Waverley.

2. The following species of interest:

Tortula pandurefolia, Hpe., C.M.—At Waverley and at Mosman's Bay.

Pleuridium brachycaulon (C.M.).—Burwood and Concord.

Pleuridium nervosum (Hook.).—Burwood; previously recorded from Parramatta by Mr. Whitelegge.

Macromitrium Geheebii, C. Muell.—At Mosman's Bay mixed with *Macromitrium Wattsii*, *Tortula pandurefolia*, and *Raphidostegium aciculum*, C.M. This curious *Macromitrium* was found by Mrs. Kayser "near Sydney" in 1872. The present is the second record. But I understand that, by an interesting coincidence, it has been found by Mr. Maiden at Stuartbrook.

(iv.) I beg also to note that one of my specimens from Emu Plains was a *Pottia*, a genus not yet recorded for New South Wales, but that the species was not determinable. I have also to add that Mrs. King, of Waverley, sent me a small collection of mosses from the Blue Mountains, and that among them was *Brentelia fusco-aurea*, Broth., a new species recorded lately by Mr. W. Forsyth. I may also report the following finds:

Hedwigia ciliata (Dicks.).—Tarana (Mr. J. A. Thorpe).

Grimmia leiocarpa, Tayl.—Girilambone (Mr. Bäuerlen).

Funaria hygrometrica, L.—Girilambone (Mr. Bäuerlen).

Campylopus clavatus, R.Br.—Grose Valley (Mr. Bäuerlen).

An omission has also to be supplied. Dr. Brotherus' paper—"Some New Species of Australian Mosses," Part ii.—contains a description of *Macromitrium exsertum*, Broth., found by Mr.

W. Bäuerlen in the south of this State. The species has not hitherto been referred to in this Society's Proceedings.

Mr. Johnston exhibited mounted specimens and sections in illustration of his paper.

Mr. R. Helms exhibited a remarkable spider (*Dicrostichus* sp.) from Rose Bay, together with its nest and egg-bags.

The President exhibited several botanical relics of very great historical interest to Australian botanists, namely, a specimen of *Eucalyptus robusta*, Sm., collected and labelled by Robert Brown "Swamp Mahogany, Septr. 1803, near the sleeping-place, Sydney"; a sample of the drying paper used by the same botanist in 1802, with a number of notes thereon in his own handwriting, showing the patient care exercised in drying his specimens; and a specimen of *Embothrium* [*Lomatia*] *tinctorium* collected in Tasmania in 1801 by Labillardière, whose herbarium was subsequently acquired by Mr. Webb, of Florence, and afterwards presented to the Botanical Institute of the same city.